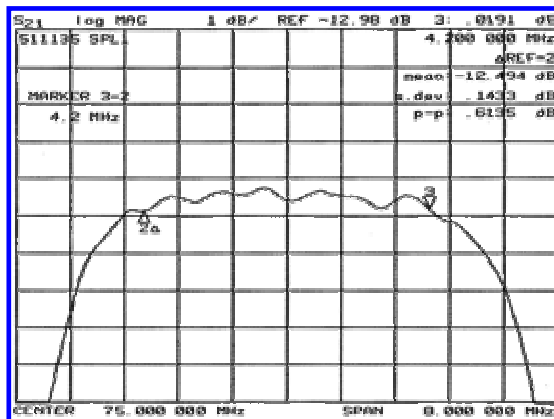
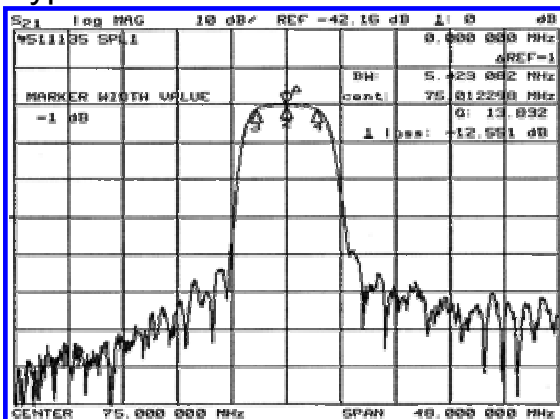


# SGC Technologies Inc 75.00 MHz Bandpass Filter 5.00 MHz Bandwidth

511135

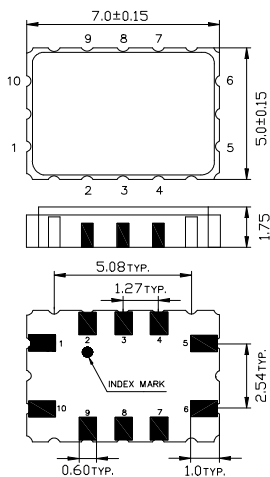
## Typical Performance



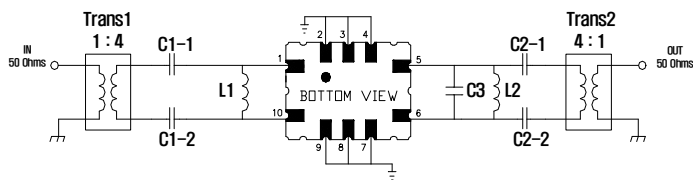
## Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	-	75.00	-
Insertion Loss	dB	-	11.00	13.00
1dB Bandwidth	Mhz	Fo±2.1	Fo±2.7	-
Passband Ripple(Fo±2.1Mhz)	dB	-	-	1.0
Group Delay Variation(Fo±2.1Mhz)	nsec	-	40	200
Attenuation (Fo-15.0 ~ -7.15Mhz)	dB	40.0	45.0	-
Attenuation (Fo+7.15 ~ +15.0Mhz)	dB	38.0	40.0	-
Attenuation (Fo+15.0 ~ +65.0Mhz)	dB	40.0	48.0	-
Differential input Impedance	ohms	-	250	-
Differential output Impedance	ohms	-	250	-
Substrate Material	-	LiTaO <sub>3</sub>		
Operating Temperature Range	°C	-40	25	85

## Package Dimension



## Matching Configuration



C1-1=C1-2=11pF , L1=270nH  
C2-1=C2-2=11pF , L2=270nH , C3=1.5pF  
Source / Load Impedance = 50Ω  
Ambient Temperature = 25°C

14/06/2004

**SGC Technologies Inc** 75.00 MHz Bandpass Filter  
5.0 MHz Bandwidth

511135

Typical Performance

